

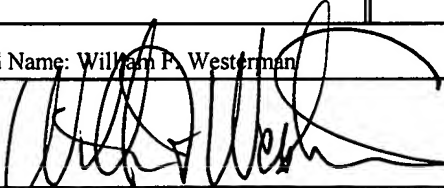
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| U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE  |  | DATE: September 30, 2004                            |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371  |  | U.S. Application No. (if known)<br><b>10/309699</b> |
| INTERNATIONAL APPLICATION NO.:<br>PCT/JP03/05864  | INTERNATIONAL FILING DATE:<br>May 12, 2003 | PRIORITY DATE CLAIMED:<br>May 15, 2002              |
| TITLE OF INVENTION: DYNAMIC GAIN EQUALIZER  |  |   |
| APPLICANT(S) FOR DO/EO/US: Masafumi IDE   |  |   |
| Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |
| <ol style="list-style-type: none"><li>1. <u>XX</u> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>2. <u>  </u> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>3. <u>XX</u> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li><li>4. <u>XX</u> The US has been elected (Article 31).</li><li>5. <u>XX</u> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):<ol style="list-style-type: none"><li>a. <u>  </u> is transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <u>XX</u> has been transmitted by the International Bureau.</li><li>c. <u>  </u> is not required, as the application was filed in the United States Receiving Office (RO/US)</li></ol></li><li>6. <u>XX</u> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none"><li>a. <u>XX</u> is attached hereto.</li><li>b. <u>  </u> has been previously submitted under 35 U.S.C. 154(d)(4).</li></ol></li><li>7. <u>XX</u> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none"><li>a. <u>  </u> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <u>XX</u> have been transmitted by the International Bureau.</li><li>c. <u>  </u> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <u>  </u> have not been made and will not be made.</li></ol></li><li>8. <u>XX</u> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>9. <u>XX</u> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li><li>10. <u>  </u> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li></ol> |  |   |
| ITEMS 11. TO 20. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:   |  |   |
| <ol style="list-style-type: none"><li>11. <u>XX</u> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with the international search report, PTO-1449 and 6 references.</li><li>12. <u>XX</u> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br/>ASSIGNEE NAME AND ADDRESS: <u>Citizen Watch Co., Ltd., Tokyo, Japan</u><br/>Please publish the assignee data with the application.</li><li>13. <u>XX</u> A preliminary amendment.</li><li>14. <u>  </u> An Application Data Sheet under 37 C.F.R. 1.76</li><li>15. <u>  </u> A substitute specification.</li><li>16. <u>  </u> A change of power of attorney and/or address letter.</li><li>17. <u>  </u> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li><li>18. <u>  </u> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li><li>19. <u>  </u> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li><li>20. <u>XX</u> Other items or information: 12 sheets of drawings.</li></ol>   |  |   |

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| U.S. APPLICATION NO: (if known)<br><b>10/509699</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP03/05864 |            | DATE: September 30, 2004 |    |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><br><b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b><br>Search Report has been prepared by the EPO or JPO: .....\$920.00<br><br>International preliminary examination fee paid<br>to USPTO (37 CFR 1.482) .....\$730.00<br><br>No international preliminary examination fee paid<br>to USPTO (37 CFR 1.482) but international search fee<br>paid to USPTO (37 CFR 1.445(a)(2)) .....\$770.00<br><br>Neither international preliminary examination fee<br>(37 CFR 1.482) nor international search fee<br>(37 CFR 1.445(a)(2)) paid to USPTO .....\$1080.00<br><br>International preliminary examination fee<br>(37 CFR 1.482) and all claims satisfied provisions<br>of PCT Article 33(2)-(4) .....\$100.00<br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 920.00</b> |              |   |            | <b>CALCULATIONS</b>      |    |
|  |              |   |            | <b>PTO USE ONLY</b>      |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            |                          |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA                                    | RATE       |                          |    |
| TOTAL  | 21 -20 =     | 1   | X \$ 18.00 | \$ 18.00                 |    |
| INDEPENDENT  | 1 - 3 =      |   | X \$ 86.00 |                          |    |
| Multiple dependent claims(s) (if applicable)   |              |   | + \$290.00 | \$1,228.00               |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$1,228.00</b>        |    |
| Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).   |              |   |            |                          |    |
| <b>SUBTOTAL =</b>  |              |   |            | <b>\$1,228.00</b>        |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +  |              |   |            |                          |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | <b>\$1,228.00</b>        |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).<br><b>\$40.00 per property +</b>   |              |   |            | <b>\$ 40.00</b>          |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | <b>\$1,268.00</b>        |    |
|  |              |   |            | Amount to be:            |    |
|  |              |   |            | refunded                 | \$ |
|  |              |   |            | charged                  | \$ |

10/509699

DT09 Rec'd PCT/PTO 30 SEP 2004

ATTORNEY'S DOCKET NO.: 042719

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| U.S. Application NO. (if known)  | INTERNATIONAL APPLICATION NO.<br>PCT/JP03/05864 | DATE: September 30, 2004   |
| <p>a. <u>XX</u> A check in the amount of \$1,268.00 to cover the above fees is enclosed. (\$920.00 for basic filing fee; \$18,00 for 1 additional claim; \$290.00 for multiple dependent claims and \$40.00 for the assignment recordation fee).</p> <p>b. <u>   </u> Please charge my Deposit Account No. 50-2866 in the amount of \$<u>   </u> to cover the above fees. (A duplicate copy of this sheet is enclosed.)</p> <p>c. <u>XX</u> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2866.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.</p> |   |  |
| Send All Correspondence To:  |   | <b>WESTERMAN, HATTORI, DANIELS &amp; ADRIAN, LLP</b><br>1250 Connecticut Avenue, N.W.<br>Suite 700<br>Washington, D.C. 20036<br>CUSTOMER No. 38834 |
| Typed or Printed Name: William P. Westerman  |   | Reg. No.: 29,988   |
| Signature    |   | Date: September 30, 2004   |

WFW/yap